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Application Number 09/961131-Conf. #4504 Filing Date **TRANSMITTAL** September 21, 2001 First Named Inventor **FORM** David J. Gourley Art Unit 2162 (to be used for all correspondence after initial filing) Examiner Name C. Y. T. Truong Attorney Docket Number Total Number of Pages in This Submission 0109878.00124US1

ENCLOSURES (Check all that apply)							
Fee Trans	mittal Form	Drawing(s)	,	After Allowance Communication to TC			
Fee Attached		Licensing-related Papers		Appeal Communication to Board of Appeals and Interferences			
Amendme	nt/Reply	Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)			
After	r Final	Petition to Convert to a Provisional Application		Proprietary Information			
Affid	lavits/declaration(s)	Power of Attorney, Revocation Change of Correspondence A		Status Letter			
Extension	of Time Request	Terminal Disclaimer		X Other Enclosure(s) (please Identify below):			
Express A	bandonment Request	Request for Refund		PTO Form SB-08 16 Non-U.S. References			
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Certified C Document	copy of Priority (s)	Landscape Table on CD					
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	y to Missing Parts under FR 1.52 or 1.53						
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	``SIGNATI	URE OF APPLICANT, ATTORI	NEY, OR	AGENT			
Firm Name WILMER CUTLER PICKERING HALE AND DORR LLP							
Signature	Signature and-believe reten						
Printed name	Ann-Louise Kerner,	Ph.D.					
Date	March 16, 2006	F	Reg. No.	33,523			



Docket No.: 0109878.00124US1 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

David J. Gourley et al.

Application No.: 09/961131

Confirmation No.: 4504

Filed: September 21, 2001

Art Unit: 2162

For: SCALABLE HIERARCHICAL DATA-DRIVEN

NAVIGATION SYSTEM AND METHOD FOR

INFORMATION RETRIEVAL

Examiner: C. Y. T. Truong

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Dear Sir:

This Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. No fee is required.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated: March 16, 2006

Respectfully submitted,

Ann-Louise Kerner, Ph.D.

Registration No.: 33,523

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Attorney Docket No.: 0109878.00124US1

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Application No. (if known): 09/961131

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IDS (Citation) by Applicant (3 pages)

Information Disclosure Statement (1 page)

Transmittal (1 page)

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Substitute for form 14	49A/B/PTO
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3

Complete if Known					
Application Number	09/961131-Conf. #4504				
Filing Date	September 21, 2001				
First Named Inventor	David J. Gourley				
Art Unit	2162				
Examiner Name	C. Y. T. Truong				
Attorney Docket Number	0109878.00124US1				

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Paten Applicant of Cited I		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/CT/	AA*	US-4,775,935	10-04-1988	Yourick		
	AB*	US-4,868,733	09-19-1989			
	AC*	US-5,241,671	08-31-1993			
-	AD*	US-5,418,717	05-23-1995	Su et al.		<u> </u>
- 8	AE*	US-5,418,951	05-23-1995			
	AF*	US-5,440,742	08-08-1995			
-	AG*	US-5,485,621	01-16-1996	Schwanke		
	AH*	US-5,544,049	08-06-1996	Henderson et al.		
	AI*	US-5,546,576	08-13-1996	Cochrane et al.		
-	AJ*	US-5,548,506	08-20-1996	Srinivasan		
-	AK*	US-5,590,269	12-31-1996	Kruse et al.		
	AL*	US-5,600,829	02-04-1997	Tsatalos et al.		
	AM*	US-5,630,125	05-13-1997	Zellweger		
- 8	AN*	US-5,634,128	05-27-1997	Messina	****	
-	AO*	US-5,675,784	10-07-1997	Maxwell et al.		
	AP*	US-5,696,916	12-09-1997	Yamazaki et al.	-	
	AQ*	US-5,724,571	03-03-1998	Woods		
	AR*	US-5,740,425	04-14-1998	Povilus		
0000	AS*	US-5,749,081	05-05-1998			
-	AT*	US-5,764,975		Taniguchi et al.		
	AU*	US-5,812,998	09-22-1998			-
	AV*	US-5,835,905	11-10-1998	Pirolli et al.		
	AW*	US-5,852,822	12-22-1998	Srinivasan et al.		
000	AX*	US-5,864,845	01-26-1999	Voorhees et al.		
-	AY*	US-5,864,846	01-26-1999	Voorhees et al.		
- 8	AZ*	US-5,864,863	01-26-1999	Burrows		
- 8	AA1*	US-5,870,746	02-09-1999	Knutson et al.		
		US-5,873,075	02-16-1999	Cochrane et al.		
		US-5,875,440	02-23-1999			
		US-5,875,446-		Brown et-al-		
			03-02-1999			
		US-5,893,104	04-06-1999	Srinivasan et al.		
0000		US-5,895,470	04-20-1999	Pirolli et al.		
9000		US-5,897,639	04-27-1999	Greef et al.		
- X	Al1*	US-5,920,859	07-06-1999	Li		
8000		US-5,926,811		Miller et al.	· · · · · · · · · · · · · · · · · · ·	
20000		US-5,940,821		Wical		
0000		US-5,943,670		Prager		
8000		US-5,950,189		Cohen et al.		
8		US-5,970,489	10-19-1999	Jacobson et al.		
		US-5,978,788	11-02-1999			
		US-5,978,794		Agrawal et al.		
			11-02-1999	Hirsch	•••	
×	AR1*	US-5,983,223	11-09-1999			
701				Chiu et al.	·····	
Examiner						00/10/000
Signature		/Cam Y Truong/			Considered	08/18/2009

PTO/SB/08a/b (07-05)
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				Application Number	09/961131-Conf. #4504	
1	NFORMATIO	N DI	SCLOSURE	Filing Date	September 21, 2001	
STATEMENT BY APPLICANT				First Named Inventor	David J. Gourley	
				Art Unit	2162	
	(Use as many sheets as necessary)			Examiner Name	C. Y. T. Truong	
Sheet	2	of	3	Attorney Docket Number	0109878.00124US1	

\Box (C	/ AT1*	US-5,987,468	11-16-1999	Singh et al.	\neg
	AU1*	US-5,987,470	11-16-1999	Meyers et al.	\neg
		US-5,991,756	11-23-1999		
	AW1	US-6,006,217	12-21-1999	Lumsden	
	<u> </u>				
		US-6,006,218	12-21-1999	Breese et al.	
		US-6,006,222	12-21-1999		
		US-6,006,225		Bowman et al.	
	AA2*	US-6,009,424		Lepage et al.	
		US-6,012,006		Ohneda et al.	
		US-6,014,639	01-11-2000	Fohn et al.	
		US-6,014,655		Fujiwara et al.	
		US-6,014,657	01-11-2000		
		US-6,014,665	01-11-2000		
		US-6,028,605		Conrad et al.	
		US-6,029,195	02-22-2000		
		US-6,038,560	03-14-2000		
		US-6,038,574	03-14-2000		
		US-6,070,162		Miyasaka et al.	
		US-6,112,186	08-29-2000		
		US-6,144,958		Ortega et al.	
		US-6,236,985		Aggarwal et al.	
		US-6,240,378		Imanaka et al.	
		US-6,240,409	05-29-2001		
		US-6,243,713		Nelson et al.	
		US-6,263,334		Fayyad et al.	
		US-6,269,368	07-31-2001		
		US-6,272,507	08-07-2001		
		US-6,289,354		Aggarwal et al.	
		US-6,301,577		Matsumoto et al.	
	AW2	US-6,317,741	11-13-2001	Burrows	
\vdash	AVOL	UC C 000 707	01 15 0000	Discharge et al.	\dashv
<u> </u>		US-6,339,767		Rivette et al.	
$\vdash \vdash$		US-6,385,602	05-07-2002		-4
$\vdash \vdash$		US-6,397,221	05-28-2002		ᅴ
$\vdash\vdash$		US-6,446,068	09-03-2002		\dashv
\vdash		US-6,519,618	02-11-2003		\dashv
 	ADO:	US-6,611,825		Billheimer et al.	ᅴ
		US-6,633,868	10-14-2003		4
\vdash		US-6,647,391	11-11-2003		\dashv
		US-6,697,801		Eldredge et al.	_
				Subramaniam et al.	-
/ <u>c</u>		US-6,845,354	01-18-2005		괵
	/ AI3*	US-6,853,982	02-08-2005	Smith et al.	

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear				
Examiner Signature		/Cam Y Truong/		Date Considered	08/18/2009				

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		-		Application Number	09/961131-Conf. #4504	
11	NFORMATIO	N DIS	CLOSURE	Filing Date	September 21, 2001	
l s	TATEMENT	BY A	PPLICANT	First Named Inventor	David J. Gourley	
				Art Unit	2162	
	(Use as many si	ḥeets as i	necessary)	Examiner Name	C. Y. T. Truong	
Sheet	3	of	3	Attorney Docket Number	0109878.00124US1	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher and/or country where published.		T ²
/CT/	CA	Amato, et al., "Region proximity in metric spaces and its use for approximate similarity search", ACM Trans. In. System, (2003), Vol. 21(2), pp. 192-227	
***************************************	СВ	BERGSTROM, "A family of delphi components for case-based reasoning", Proceedings 11th IEEE International Conference on Chicago, (1999), pp. 153-160	
00000000	CC	BEYER et al., "When is 'Nearest Neighbor' meaningful", Proceedings of the 7th International Conference on Database Theory", (1999)	
00000000000	CD	DIAMANTINI et al., "A conceptual indexing method for content-based retrieval", Database and Expert Systems Applications. Proceedings Tenth Workshop on Florence Italy, (1999), pp. 192-197	
0000000	CE	GUHA et al., "ROCK: A robust clustering algorithm for categorical attributes", Data Engineering Proceedings 15th International Conference on Sidney, (1999), pp. 512-521	
00000000	CF	GUTTMAN, "R-Trees: A dynamic index structure for spatial searching", Proceedings of the ACM SIG-MOD Conference, (1984)	
XXXXXX	CG	HAN-JOON, K. et al., "An effective document clustering method using user-adaptable distance metrics.", SAC, (2002), 16-20	
***************************************	СН	HONGYAN JING, "Information retrieval based on context distance and morphology", Proceedings of the 22nd annual international ACM SIGIR conference on Research and Development in information retrieval, pp. 90-96, August 1999	
00000000	CI	HINNEBURG et al., "What is the nearest neighbor in high dimensional spaces", Proceedings of the 26th VLDB Conference, (2000)	
00000000	CJ	MILLER et al., "DataWeb: Customizable Database Publishing for the Web" IEEE Multimedia, 4(4):14-21(1997)	
000000000000000000000000000000000000000	CK	MILLER et al., "Integrating Hierarchical Navigation and Querying: A User Customizable Solution" ACM Multimedia Workshop on Effective Abstractions in Multimedia Layout, Presentation, and Interaction, San Francisco, CA, November (1995).	
	CL	PI-SHENG, "Using case-based reasoning for decision support", Proceedings of the 27th Annual Hawaii International Conference on System Sciences, (1994), pp. 552-561	
0000000	СM	SALTON et al., "Term-weighting approaches in automatic test retrieval", Information Processing & Management, (1988), Vol. 24(5), pp. 513-523	
	CN	SHAMOS et al., "Closest-point problems", Proceedings of the 16th Annual Symposium on Foundations of Computer Science, IEEE (1975)	
V	СО	Yahoo!, Copyright 1999 Yahoo! Inc., http://web.archive.org/web/19991116151216/http://www4.yahoo.com/ .	
/01/	CP	Yahoo 1996 (Exhibit 12-16)	

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Examiner Signature	/Cam Y Truong/	Date Considered	08/18/2009
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